

Title (en)
PELLET FORM CATHODE FOR USE IN A BIOCOMPATIBLE BATTERY

Title (de)
PELLETFÖRMIGE KATHODE ZUR VERWENDUNG IN EINER BIOKOMPATIBLEN BATTERIE

Title (fr)
CATHODE SOUS FORME DE GRANULES POUR UNE UTILISATION DANS UNE BATTERIE BIOCOMPATIBLE

Publication
EP 2988357 A3 20160615 (EN)

Application
EP 15181854 A 20150820

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Abstract (en)
[origin: EP2988357A2] Methods and apparatus to form biocompatible energization elements are described. In some examples, the methods and apparatus to form the biocompatible energization elements involve using substrate films of insulating material and forming pellets comprising active cathode chemistry. The active elements of the cathode and anode are sealed with a biocompatible material. In some examples, a field of use for the methods and apparatus may include any biocompatible device or product that requires energization elements, such as an electroactive contact lens.

IPC 8 full level
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Citation (search report)
• [I] EP 1313159 A2 20030521 - GREATBATCH W LTD [US]
• [A] US 2004258982 A1 20041223 - COFFEY BRENDAN [US], et al
• [A] US 2009092903 A1 20090409 - JOHNSON LONNIE G [US], et al
• [A] US 2009098281 A1 20090416 - ZHANG JI-GUANG [US], et al

Cited by
WO2021170909A1

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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JP 2016046255 A 20160404; KR 20160023608 A 20160303; RU 2015134574 A 20170222; RU 2015134574 A3 20190312;
SG 10201506614W A 20160330; TW 201622211 A 20160616; US 10374216 B2 20190806; US 2016056446 A1 20160225;
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